

Title (en)

STAINLESS STEEL PRODUCT HAVING ENHANCED ANTIBACTERIAL ACTION AND METHOD FOR PRODUCING THE SAME

Title (de)

ROSTFREIER STAHL MIT ERHÖHTER ANTIBAKTERIELLER WIRKUNG UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

PRODUIT EN ACIER INOXYDABLE POSSEDANT UNE ACTION ANTIBACTERIENNE AMELIOREE ET PROCEDE DE FABRICATION CORRESPONDANT

Publication

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Application

**EP 99907924 A 19990315**

Priority

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- JP 6592498 A 19980316

Abstract (en)

The present invention provides a stainless steel being excellent in workability, corrosion resistance and antibacterial property. To be more specific, a stainless steel containing 10 wt % or more of Cr is rendered to contain 0.0001-1 wt % of Ag, or further one or more members selected from Sn: 0.0002-0.02 wt %, Zn: 0.0002-0.02 wt %, Pt: 0.0002-0.01 wt %, and, in addition, is rendered to dispersedly contain a total of 0.001 % or more in an area percentage of one or more members of a silver particle, a silver oxide and a silver sulphide each having a mean grain diameter of 500  $\mu\text{m}$  or less. To disperse the silver particle, silver oxide and silver sulphide uniformly, the casting rate of continuous casting is preferably controlled to range from 0.8 to 1.6 m/min.

IPC 1-7

**C22C 38/18**

IPC 8 full level

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Cited by

CN113523267A; EP1854902A1; EP1391528A4; US11390931B2; WO2011084091A1

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